

INFORMATION REPORT

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SUBJECT

Stalinets S-80 Tractor Specifications

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SUPPLEMENT TO REPORT #

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"STALINET S-80 TRACTOR, (RUSSIAN)

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"TECHNOPROMIMPORT, MOSCOW

1. "General Data. Type - Crawler Tractor. Weight of tractor (dry) 11400 kg. Base (length of tracks on ground) 2370 mm. Track width 500 mm. Distance between track centres 1880 mm. Specific ground pressure not over 0.5 kg per sq cm. Overall dimensions: Length 4230 mm. Width 2460 mm. Height with cab and air intake cap on the cab roof 2985 mm. Ground clearance (grousers not in the ground) 382 mm.
2. "Engine. Four stroke, precombustion Diesel of the KDM 46 model. Rated horse power at 1000 rpm. 80 hp. Crankshaft speed 1000 rpm. Number of cylinders 4. Arrangement of cylinders - vertical. Bore - 145 mm. Stroke - 205 mm. Compression ratio 15.5. Cylinder capacity 13.53 litres. Firing order 1-3-4-2. Specific fuel consumption 205 to 220g per hp/hr. Cooling system - forced ventilation water cooling. Lubrication system - combination type: Forced circulation and splash lubrication.
3. "Starting Engine. Four stroke; carburetor type of the II-46 model. Rated horse power 17 hp at 2600 rpm. Arrangement of cylinders - inclined. Number of cylinders 2. Bore 72 mm. Stroke 102 mm. Cylinder capacity 1.35 litres. Cooling system - common with the Diesel. Reductor - two stage, gear type.
4. "Transmission. Single dry plate clutch to 5 speed gearbox giving 5 forward and 4 reverse speeds. Road speeds and drawbar pull:

<u>Gear</u>	<u>Forward km/hr</u>	<u>Reverse km/hr</u>	<u>Drawbar Pull, kg</u>
1st	2.25	2.66	8800
2nd	3.6	4.25	5200
3rd	5.14	6.10	3300
4th	7.4	8.75	2000
5th	9.65	-)	1500

5. "Running Gear. Consists of 36 track links hinged by means of pins and sleeves and of special track shoes attached to the links. Track tension device with spring damper. Track driving wheels of sprocket type. Equalizer - transverse spring of plate type.
6. "Electric Equipment. 250W, 12V generator. Conventional single wire type electrical circuit. Head lamps: two front ones and two rear ones.
7. "Fuel. For main engine - Diesel fuel oil (summer and winter grade). For starting engine - automobile gasoline.

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- 2 -

25X1

8. "Capacities. Diesel fuel oil tank - 230 litres. Auxiliary fuel tank - 100 litres. Starting engine fuel tank - 7 litres. Heater fuel tank 0.5 litres.. Diesel crankcase lubricating oil - 27 litres. Fuel pump housing - 0.6 litres. Starting engine crankcase lubricating oil - 2.3 litres. Starting engine reductor housing 0.8 litres. Gearbox and bevel gear cases - 43.5 litres. Auxiliary hydraulic mechanism - 5.3 litres. Final drives - 22 litres each. Diesel air cleaner 3.5 litres. Starting engine air cleaner - 0.5 litres. Cooling system - 64 litres."

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